



NAAC- B<sup>+</sup>

Name of the course: HAP-II

Semester: II

YashodaShikshanPrasarakMandal's

**Yashoda Technical Campus,**

Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

### Course outcomes

Course Code: BP201T

Class: I B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP201TC01	Explain organization, morphology structure & basic functions of central nervous system and its different parts.
BP201TC02	Analyze anatomy and physiology of Digestive system and relate pathophysiology of related diseases & discuss Formation and role of energetic.
BP201TC03	Compare and distinguish anatomy and physiology of different organs of respiratory system , urinary system and pathophysiology of related diseases.
BP201TC04	Identify endocrine glands & their hormones and understand their structure & function along with related diseases.
BP201TC05	Understand and compare structure & function of human reproductive system and remember genetics.

### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP201TC01	3	1	2	2	1	2	1	3	2	1	3
BP201TC02	3	1	2	2	1	2	1	3	2	1	3
BP201TC03	3	1	2	2	1	2	1	3	2	1	3
BP201TC04	3	1	2	2	1	2	1	3	2	1	3
BP201TC05	3	1	2	2	1	2	1	3	2	1	3
Average	3	1	2	2	1	2	1	3	2	1	3
Average Roundup	3	1	2	2	1	2	1	3	2	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

*Kadam*

Course co-ordinator

M.s. P.B. Kadam

*[Signature]*  
HOD

*[Signature]*  
Principal



NAAC- B<sup>+</sup>

Yashoda Shikshan Prasarak Mandal's  
**Yashoda Technical Campus,**  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

### Course outcomes

Name of the course: Pharmaceutical Organic Chemistry-I

Course Code:BP202T

Semester:II

Class: First Year B.Pharm

After completion of course students will be able to


CO	Course Outcomes
BP102TCO1	Classify, nomenclature, structure and the type of isomerism of the organic compound
BP102TCO2	Explain important physical properties, reactions (and underlying mechanisms) and methods of preparation of Alkanes, Alkenes and Conjugated dienes
BP102TCO3	Explain important physical properties, reactions (and underlying mechanisms) and methods of preparation of Alkyl halides and alcohol
BP102TCO4	Explain important physical properties, reactions (and underlying mechanisms) of Carbonyl compound
BP102TCO5	Explain identification process and uses of Carboxylic acid and its derivative.

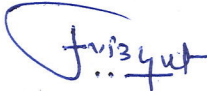
### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP202TCO1	3	2	3	2	2	3	3	1	-	-	3
BP202TCO2	3	2	3	-	-	3	3	-	-	2	3
BP202TCO3	3	2	3	-	-	3	3	-	1	2	3
BP202TCO4	3	2	3	-	-	3	3	-	1	2	3
BP202TCO5	3	2	3	-	-	3	3	-	1	2	3
Average	3	2	3	2	2	3	3	1	1	2	3
Average Roundup	3	2	3	2	2	3	3	1	1	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

  
Course co-ordinator  
(S.H. Rohane)

  
HOD

  
Principal





NAAC- B<sup>+</sup>

Yashoda Shikshan Prasarak Mandal's  
**Yashoda Technical Campus,**  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

### Course outcomes

Name of the course: Biochemistry

Course Code: BP203T

Semester: II

Class: ---- B.Pharm II

After completion of course students will be able to

CO	Course Outcomes
BP203TC01	Understand the biological role of different biomolecule and the Concept of free energy, energy rich compounds and biological significances of ATP.
BP203TC02	Explain the metabolism of nutrient molecules like carbohydrates and biological oxidation.
BP203TC03	Describe the metabolism of nutrient molecules like lipid and amino acid.
BP203TC04	Clarify the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
BP203TC05	Elaborate the catalytic role of enzymes, importance of enzyme, therapeutic and diagnostic applications of enzymes

### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP203TC01	3	1	3	2	2	3	2	2	3	1	3
BP203TC02	3	1	1	2	2	3	2	1	3	2	3
BP203TC03	3	1	1	2	-	1	2	2	3	2	3
BP203TC04	3	3	2	3	1	3	2	3	3	1	3
BP203TC05	3	2	3	3	2	2	2	2	2	2	3
Average	3	1.6	2	2.4	1.7	2.4	2	2	2.8	1.6	3
Average Roundup	3	2	2	2	2	2	2	2	3	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

Dr. B. V. Chaware

HOD

Principal



NAAC- B<sup>+</sup>

Yashoda Shikshan Prasarak Mandal's  
Yashoda Technical Campus,  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

## Course outcomes

Name of the course: Pathophysiology

Course Code: BP204T

Semester: II

Class: F.Y.B.Pharm

CO	Course Outcomes
BP204T C01	Gain In-Depth Knowledge of Basic principles of Cell injury Adaptation and concept of inflammation and repair.
BP204T C02	Analyze factors that contribute to the occurrence of diseases of CVS, respiratory and renal system
BP204T C03	Understand the etiology and pathogenesis of various disease and disorders pertaining to Hematological, endocrine ,GI and nervous system
BP204T C04	Explain the etiology and pathogenesis of cancer and disorders related to bones and joints.
BP204T C05	Apply contextual knowledge of pathophysiology to maintain health and to prevent the occurrence and spread of Infectious and Sexually transmitted disease.

After completion of course students will be able to

### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP204T CO1	3	2	3	2	2	2	1	3	2	1	3
BP204T CO2	3	2	3	2	2	2	1	2	2	1	3
BP204T CO3	3	2	3	2	2	2	1	2	2	1	3
BP204T CO4	3	2	3	2	2	2	1	2	2	1	3
BP204T CO5	3	2	3	2	2	2	1	1	2	1	3
Average	3	2	3	2	2	2	1	2	2	1	3
Average Roundup	3	2	3	2	2	2	1	2	2	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

(Mrs. A.P. Jadhav)

HOD

Principal





NAAC- B<sup>+</sup>

YashodaShikshanPrasarakMandal's  
**Yashoda Technical Campus,**  
Faculty of Pharmacy Wadhe, NH-4, Satara – 4150  
**Course outcomes(2023-24)**

Name of the course: Computer Applicatons in Pharmacy Course Code: BP205T

Semester: II

Class: --- First Year B.Pharm

After completion of course students will be able to

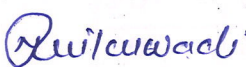
CO	Course Outcomes
BP205TC01	Illustrate the number system and learn the concept of information system and software
BP205TC02	Understand and illustrate web technologies
BP205TC03	Explain applications of computers in pharmacy
BP205TC04	Understand the concept of bioinformatics
BP205TC05	Learn the role of computer in preclinical development

**CO-PO mapping**

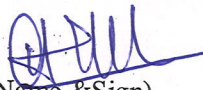
	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP205TC01	1	2	2	3	2	2	1	2	1	1	3
BP205TC02	1	2	1	3	2	2	1	2	1	1	3
BP205TC03	2	2	2	3	2	2	2	2	2	2	3
BP205TC04	1	2	1	3	2	2	1	2	1	1	3
BP205TC05	2	2	2	3	2	2	2	2	2	2	3
Average	1.4	2	1.6	3	2	2	1.4	2	1.4	1.4	3
Average Roundup	1	2	2	3	2	2	1	2	1	1	3


Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

  
(MS.N.D. Naikawade)  
(Name & Sign)

Course co-ordinator

  
(Name & Sign)  
Dr. P.D. Fadnis  
HOD

  
(Name & Sign)  
Dr. Y.K. Pedasani  
Principal



NAAC- B<sup>+</sup>

YashodaShikshanPrasarakMandal's  
**Yashoda Technical Campus,**  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

## Course outcomes

Name of the course: Environmental Science

Course Code: BP206T

Semester: II

Class: First Year B. Pharm.

After completion of course students will be able to

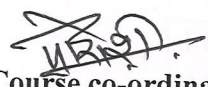
CO	Course Outcomes
BP206TC01	Create awareness to identify and solve enviromental problems
BP206TC02	Understand and study the concept of ecosystem
BP206TC03	Understand and study different types of pollution and problems regarding it

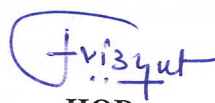
## CO-PO mapping

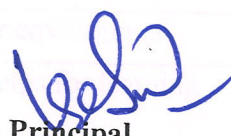
	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP206TC01	1	1	2	2	2	1	2	2	2	3	3
BP206TC02	1	1	2	1	2	1	1	1	2	3	3
BP206TC03	1	1	2	2	2	2	2	2	2	3	3
Average	1	1	2	1.6	2	1.3	1.6	1.6	2	3	3
Average Roundup	1	1	2	2	2	1	2	2	2	3	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

  
Course co-ordinator  
Mr. P. R. Joshi

  
HOD  
Dr. A. M. Bhagwat

  
Principal  
Dr. V. K. Redasani





NAAC- B<sup>+</sup>

Yashoda Shikshan Prasarak Mandal's  
**Yashoda Technical Campus,**  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

### Course outcomes

Name of the course: **Human anatomy and physiology-II**  
Course Code: **BP207P**

Semester: **II**

Class: **FY B.Pharm**

After completion of course students will be able to

CO	Course Outcomes
BP207PC01	Adapt knowledge about the physiological processes discussed in theory classes through experiments on human beings
BP207PC02	Develop the knowledge on coordinating working of organs of various systems with the help of models, charts and specimens.
BP207PC03	Apply knowledge about body temperature and body mass index.
BP207PC04	Assess the knowledge on family planning devices, pregnancy diagnostic tests, vital organs and gonads.

### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP207PC01	3	1	2	1	1	2	1	3	2		2
BP207PC02	3	1	2	1	1	2	1	3	2		2
BP207PC03	3	1	2	1	1	2	1	3	2		2
BP207PC04	3	1	2	1	1	2	1	3	2		2
Average	3	1	2	1	1	2	1	3	2		2
Roundup	3	1	2	1	1	2	1	3	2		2

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

Mr. Omkar Desai

HOD

Principal



NAAC- B<sup>+</sup>

Yashoda Shikshan Prasarak Mandal's  
**Yashoda Technical Campus,**  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

### Course outcomes

Name of the course: Pharmaceutical Organic Chemistry-I

Course Code:BP208P

Semester:II

Class: First Year B.Pharm

After completion of course students will be able to


CO	Course Outcomes
BP208PC01	Demonstrate steps involved in identification of unknown organic compound.
BP208PC02	Prepare suitable solid derivatives from organic compounds
BP208PC03	Draw structure using molecular model concept

### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP208PC01	3	3	3	-	2	3	3	3	2	2	3
BP208PC02	3	3	3	1	2	3	3	3	2	2	3
BP208PC03	3	3	3	-	2	-	-	3	2	2	3
Average	3	3	3	1	2	3	3	3	2	2	3
Average Roundup	3	3	3	1	2	3	3	3	2	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

  
Course co-ordinator  
(SHR)

  
HOD

  
Principal





Yashoda Shikshan Prasarak Mandal's  
**Yashoda Technical Campus,**  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

NAAC- B<sup>+</sup>

### Course outcomes

Name of the course: Biochemistry

Course Code: BP209P

Semester: II

Class: ---- B.Pharm I<sup>st</sup>

After completion of course students will be able to

CO	Course Outcomes
BP209PC01	Recognize qualitatively carbohydrates and Proteins.
BP209PC02	Analyze normal and abnormal constituents of urine and biological fluids like saliva.
BP209PC03	Identify sugar, creatinine, serum cholesterol etc. from blood and Preparation of buffers.

### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP209PC01	3	3	3	3	3	3	2	2	3	2	3
BP209PC02	3	3	3	3	3	3	3	3	3	1	3
BP209PC03	3	3	3	3	2	3	3	3	3	2	3
Average	3	3	3	3	2.66	3	2.66	2.66	3	1.66	3
Average Roundup	3	3	3	3	3	3	3	3	3	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

Dr. B. V. Chaware

HOD

Principal



NAAC- B<sup>+</sup>

Yashoda Technical Campus,  
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

### Course outcomes(2023-24)

Name of the course: Computer Applications in Pharmacy Practical Course Code: BP210P

Semester: II

Class: --- First Year B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP210PC01	Design a questionnaire and create mailing labels using MS word
BP210PC02	Creating web page and use of different online tools to gather information
BP210PC03	Creating databases using MS access and perform experiments working on it

### CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP210PC01	2	2	2	3	2	2	1	2	2	3	3
BP210PC02	1	2	2	3	2	2	1	1	1	2	3
BP210PC03	1	2	2	3	2	2	1	1	1	3	3
Average	1.3	2	2	3	2	2	1	1.3	1.3	2.6	3
Average Roundup	1	2	2	3	2	2	1	1	1	3	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

*(MS.N.D. Naikewadi)*  
(Name & Sign)

Course co-ordinator

*(P.D. Jadhav)*  
(Name & Sign)  
Dr. P. D. Jadhav  
HOD

*(V.K. Redasani)*  
(Name & Sign)  
Dr. V. K. Redasani  
Principal